

MACHINE SPECIFICATIONS

OPTIPLEX 4020 CO2



2D Specifications		2.5kW	4.0kW	6.0kW
Machine Structure		Flying Optics		
Maximum Workpiece Dimensions		78.74 in x 157.48 in		
Maximum Workpiece Weight		3,527 lbs		
Machine Travels	<i>X axis</i>	160.43 in		
	<i>Y axis</i>	81.10 in		
	<i>Z axis</i>	4.33 in		
Work Table Height		35.4 in		
Maximum Material Thickness *	<i>Mild Steel</i>	0.750 in	1.000 in	1.000 in
	<i>Stainless Steel</i>	0.375 in	0.500 in	0.590 in
	<i>Aluminum</i>	0.250 in	0.375 in	0.472 in
Motion Drive System Design	<i>X, Y axis</i>	Rack and Pinion Drive		
	<i>Z axis</i>	Ball Screw Drive		
Number of Control Axes		3		
Rapid Travel Speed	<i>X, Y axis</i>	4,724 ipm		
Positioning Accuracy	<i>X, Y axis</i>	0.002 in/19.68 in		
	<i>Z axis</i>	0.0004 in/3.94 in		
Repeatable Accuracy	<i>X, Y axis</i>	0.0012 in		
Total Electrical Requirement		61 kVA	80 kVA	130 kVA
Installation Dimensions	<i>W x D</i>	560 in x 278 in		
Machine Unit Dimensions	<i>W x D x H</i>	497.8 in x 158.37 in x 79.13 in		
Machine Unit Weight		50,715 lb	54,022 lb	
CNC Type		MAZATROL Preview 3		
CPU		64 bit		
Display Screen		15 in Color LCD (TFT)		
Memory Capacity		16 GB (program storage capacity: 1 GB)		
Position Detection System		Encoder		
Minimum Command Unit		0.0001 in		
Program Input System		EIA/ISO		

* Material cutting thickness is dependent on many factors including material specifications, condition and machine parameters. All specifications are subject to change.